

Water Use Efficiency Annual Performance Report - 2014

WS Name: WENATCHEE, CITY OF

Water System ID# : 94350

WS County: CHELAN

Report submitted by: Jessica Shaw

Meter Installation Information:

Estimate the percentage of metered connections: 100%

If not fully metered - Current status of meter installation:

Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period: 01/01/2014 To 12/31/2014

Incomplete or missing data for the year? No

If yes, explain:

Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	1,387,976,000 gallons
Authorized Consumption (AC) – Annual Volume	1,194,221,259 gallons
Distribution System Leakage – Annual Volume TP – AC	193,754,741 gallons
Distribution System Leakage – Percent DSL = $[(TP - AC) / TP] \times 100$	14.0 %
3-year annual average	12.9 %

Goal-Setting Information:

Date of Most Recent Public Forum: 10/21/2010 Has goal been changed since last performance report? No

Note: Customer goal must be re-established every 6 years through a public process

WUE Goals:

Customer Goal (Demand Side):

Reduce seasonal outdoor water use by 2 to 3% by December 31, 2016.

Describe Progress in Reaching Goals:

Customer (Demand Side) Goal Progress:

The City of Wenatchee has continued to implement the following measures: consumption history shown on the water bill, potential leak notices to customers as well as leak detection information and dye strips, outreach at local schools, water use efficiency information provided at the local home & garden show, on the website (www.wenatcheewa.gov/water_wise), in the consumer confidence report(CCR), and at City facilities. Since 2010 the focus of information provided at the home show, on the website and in the CCR has been on efficient summer water use for residential customers. From 2005 to 2009, the average summer water use for residential customers was 351 gallons per capita per day(gpcd). The average summer water use over the last five years (2010 through 2014) was 290 gpcd for an average savings of 61 gpcd during the period of May through August. Based on the analysis of the 2014 residential summer water usage, the City has continued to meet the goal of reducing seasonal water use by 2 to 3% by December 31,2016.

Additional Information Regarding Supply and Demand Side WUE Efforts

Include any other information that describes how you and your customers use water efficiently:

The City of Wenatchee's supply side goal was to reduce distribution system leakage to 10% or less by December 31, 2016. To meet this goal, the City has synchronized production and consumption meter reading schedules, continued to calibrate or replace meters (especially larger meters), and required all services to be metered. The City has also required that all existing fire lines be retrofitted with a double check detector assembly to prevent water loss from fire lines. Any water use can then be reviewed annually with the backflow assembly testing. In addition, City staff have been working more closely with the fire department to estimate the amount of water use for training drills, pressure testing and fires. At this time, the City's three year average distribution system leakage is just over 10% at 12.9%.

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